

Amendments to the Claims:

Please replace all prior versions, and listings of claims in the application with the following listing of claims.

Listing of claims

Claim 1 (currently amended): A method for controlling power in a communication system, comprising:

determining a block error rate (BLER) corresponding to a first transport channel based on data blocks received on [[a]] the first transport channel and data blocks of at least a second transport channel; and

determining a reference signal-to-interference (SIR) value corresponding to the first transport channel based on the BLER and a target BLER for the first transport channel,

wherein error rate information corresponding to the data blocks of the at least second transport channel is weighted according to at least one of channel coding, a code rate, rate matching, and a current SIR of the first and second transport channels.

Claim 2 (original): The method of claim 1, wherein data blocks of at least the second transport channel are only considered for determining the BLER while data blocks are not received on the first transport channel.

Claim 3 (canceled)

Claim 4 (original): The method of claim 1, wherein the BLER is determined according to cyclic redundancy check (CRC) information.

Claim 5 (original): The method of claim 1, wherein the reference SIR is adjusted so that the BLER approaches the target BLER.

Claim 6 (original): The method of claim 1, further comprising:

comparing the reference SIR value to at least one other reference SIR value corresponding to another transport channel; and

selecting a maximum one of the compared reference SIR values to be used for controlling power.

Claim 7 (currently amended): An apparatus for controlling power in a communication system, comprising:

logic that determines a block error rate (BLER) corresponding to a first transport channel based on data blocks received on [[a]] the first transport channel and data blocks of at least a second transport channel; [[and]]

logic that determines [[an]] a reference signal-to-interference ratio (SIR) value corresponding to the first transport channel based on the BLER and a target BLER for the first transport channel; and

logic that assigns a weight to error rate information corresponding to the data blocks of the at least second transport channel according to at least one of channel coding, a code rate, rate matching, and a current SIR of the first and second transport channels.

Claim 8 (original): The apparatus of claim 7, comprising:

logic that only considers data blocks of at least the second transport channel, in determining the BLER, while data blocks are not received on the first transport channel.

Claim 9 (canceled)

Claim 10 (original): The apparatus of claim 7, comprising:

logic that determines the BLER according to CRC information.

Claim 11 (original): The apparatus of claim 7, comprising:

logic that adjusts the reference SIR so that the BLER approaches the target BLER.

Claim 12 (original): The apparatus of claim 7, further comprising:

logic that compares the reference SIR value to at least one other reference SIR value corresponding to another transport channel; and

logic that selects a maximum one of the compared reference SIR values to be used for controlling power.

Claim 13 (currently amended): A method for controlling power in a communication system, comprising:

determining common error rate information based on a plurality of individual error rate information received on respective ones of a plurality of transport channels;

determining a common block error rate (BLER) based on the common error rate information of data blocks received on a plurality of transport channels;

determining a common target BLER based on individual target block error rates for the plurality of transport channels; and

determining a reference signal-to-interference ratio (SIR) value corresponding to the plurality of transport channels based on the common BLER and the common target BLER, said reference SIR being used for controlling power.

Claim 14 (currently amended): An apparatus for controlling power in a communication system, comprising:

logic that determines common error rate information based on a plurality of individual error rate information received on respective ones of a plurality of transport channels;

logic that determines a common block error rate (BLER) based on the common error rate information of data blocks received on a plurality of transport channels;

logic that determines a common target BLER based on individual target BLERs for the plurality of transport channels; and

logic that determines a reference signal-to-interference ratio (SIR) value corresponding to the plurality of transport channels based on the common BLER and the common target BLER, said reference SIR being used for controlling power.

Claim 15 (canceled)

Claim 16 (currently amended): ~~The method of claim 15,~~ A method for controlling power in a communication system, comprising:

determining a BLER of data blocks received on a transport channel;

estimating a block rate (BLR) of the data blocks received on the transport channel;

and

determining a reference SIR value corresponding to the transport channel based on the BLER, a target BLER, and the estimated BLR, said reference SIR being considered for controlling power,

wherein the estimated BLR is used to maintain a constant rate of change of the determined reference SIR value for different estimated BLRs.

Claim 17 (currently amended): The method of claim ~~[[15]]~~ 16, wherein the BLER is determined ~~according to CRC information~~ based on the estimated BLR.

Claim 18 (canceled)

Claim 19 (currently amended): ~~The method of claim 15,~~ A method for controlling power in a communication system, comprising:

determining a BLER of data blocks received on a transport channel;

estimating a block rate (BLR) of the data blocks received on the transport channel;

and

determining a reference SIR value corresponding to the transport channel based on the BLER, a target BLER, and the estimated BLR, said reference SIR being considered for controlling power,

wherein the reference SIR is only considered for controlling power if the estimated BLR corresponds to at least a minimum channel excitation level.

Claim 20 (original): The method of claim 19, wherein the channel excitation level is determined based on a product of the estimated BLR and the target BLER.

Claim 21 (currently amended): ~~The method of claim 15, further comprising:~~ A method for controlling power in a communication system, comprising:

determining a BLER of data blocks received on a transport channel;

estimating a block rate (BLR) of the data blocks received on the transport channel;

determining a reference SIR value corresponding to the transport channel based on the BLER, a target BLER, and the estimated BLR, said reference SIR being considered for controlling power;

comparing the reference SIR value to at least one other reference SIR value corresponding to another transport channel; and
selecting a maximum one of the compared reference SIR values to be used for controlling power.

Claim 22 (canceled)

Claim 23 (currently amended): ~~The apparatus of claim 22, comprising:~~ An apparatus for controlling power in a communication system, comprising:

logic that determines a BLER of data blocks received on a transport channel;
logic that estimates a BLR of the data blocks received on the transport channel;
logic that determines a reference SIR value corresponding to the transport channel based on the BLER, a target BLER, and the estimated BLR, said reference SIR being considered for controlling power; and

logic that uses the estimated BLR to maintain a constant rate of change of the determined reference SIR value for different estimated BLRs.

Claim 24 (currently amended): The apparatus of claim ~~[[22]]~~ 23, comprising:
logic that determines the BLER ~~according to CRC information~~ based on the estimated BLR.

Claim 25 (canceled)

Claim 26 (currently amended): ~~The apparatus of claim 22, comprising:~~ An apparatus for controlling power in a communication system, comprising:

logic that determines a BLER of data blocks received on a transport channel;
logic that estimates a BLR of the data blocks received on the transport channel;
logic that determines a reference SIR value corresponding to the transport channel based on the BLER, a target BLER, and the estimated BLR, said reference SIR being considered for controlling power; and

logic that only considers the reference SIR for controlling power if the estimated BLR corresponds to at least a minimum channel excitation level.

Claim 27 (original): The apparatus of claim 26, comprising:

logic that determines the channel excitation level based on a product of the estimated BLR and the target BLER.

Claim 28 (currently amended): ~~The apparatus of claim 22, further comprising:~~ An apparatus for controlling power in a communication system, comprising:

logic that determines a BLER of data blocks received on a transport channel;

logic that estimates a BLR of the data blocks received on the transport channel;

logic that determines a reference SIR value corresponding to the transport channel based on the BLER, a target BLER, and the estimated BLR, said reference SIR being considered for controlling power;

logic that compares the reference SIR value to at least one other reference SIR value corresponding to another transport channel; and

logic that selects a maximum one of the compared reference SIR values to be used for controlling power.

Claim 29 (canceled)

Claim 30 (canceled)

Claim 31 (new): The method of claim 13, wherein the step of determining the common error rate information is based on weighting the plurality of individual error rate information according to at least one of channel coding, a code rate, rate matching, and a current SIR value of the plurality of transport channels.

Claim 32 (new): The method of claim 13, wherein the step of determining the common target BLER is based on weighting the individual target BLERs according to at least one of channel coding, a code rate, rate matching, and a current SIR value of the plurality of transport channels.

Claim 33 (new): The apparatus of claim 14, wherein the logic that determines the common error rate information is configured to determine the common error rate information based on weighting the plurality of individual error rate information according to at least one

of channel coding, a code rate, rate matching, and a current SIR value of the plurality of transport channels.

Claim 34 (new): The apparatus of claim 14, wherein the logic that determines the common target BLER is configured to determine the common target BLER based on weighting the individual target BLERs according to at least one of channel coding, a code rate, rate matching, and a current SIR value of the plurality of transport channels.